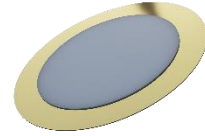




PUIaudio



Data Sheet

HD-PAB2701-2

Features:

- 27mm large displacement actuator
- Thin profile
- Ideal for high voltage Haptics applications

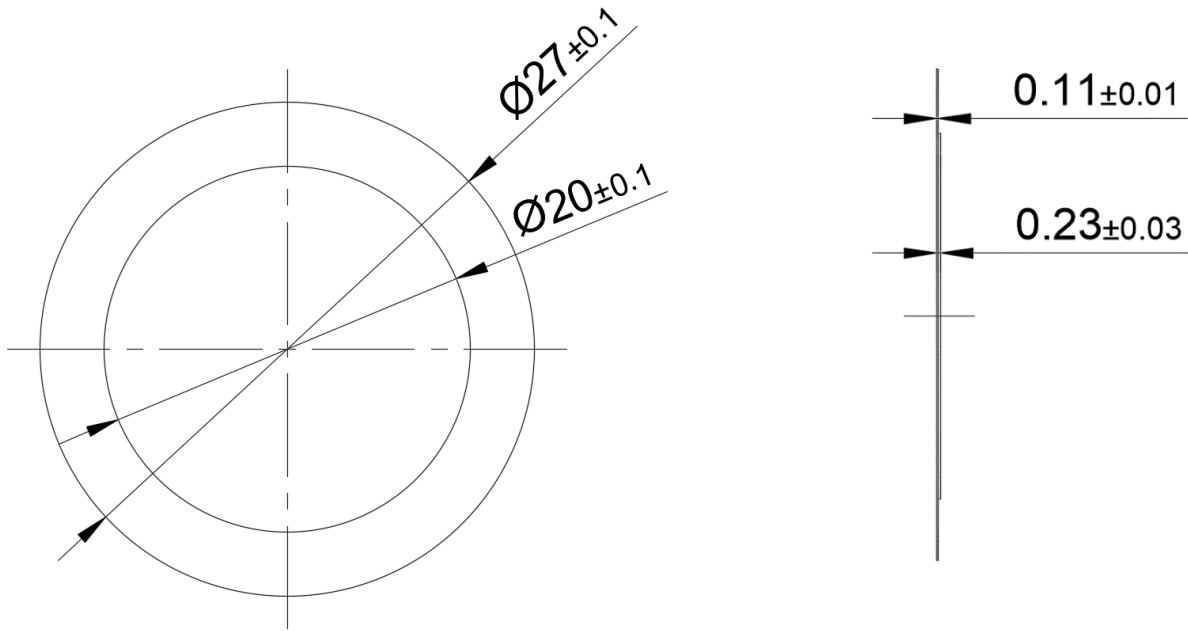
Design:

- Actuator dimensions: $\varnothing 27 \times 0.23$ (mm)

Specifications

Parameters	Values	Units
Maximum Input Voltage	≤ 100	Vp-p
Working Voltage Range	-50 ~ +100	VDC
Nominal Displacement	75	μM (@1Hz, $\pm 90\text{VDC}$)
Capacitance	$45,000 \pm 12$	pF (at 1V, 100Hz)
Storage Temperature	-20 ~ +75	$^{\circ}\text{C}$
Operating Temperature	-10 ~ +70	$^{\circ}\text{C}$
Environmental Compliances	RoHS/REACH	Exempt 7c-1
Soldering Methods	Lead-free silver tin solder, $\leq 280^{\circ}\text{C}$	

Dimensions (PZT Ceramic (+), Brass Substrate (-), (mm))



Note:

The silver electrode layer serves as the negative electrode, while the piezo ceramic links to the negative electrode of the driving voltage, and the brass plate connects to the positive electrode of the driving voltage.

Packaging:

- Paper roll, 100 pcs/roll

Specifications Revisions

Revision	Description	Date
A	RELEASED FROM ENGINEERING	8/1/2023

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.